Nucleic acids
U 0700

16- 200

Synthesis of 4-Substituted-1,2,3-triazole Carbanucleoside Analogues of Ribavirin via Click Chemistry. — The route to the title triazoles involves a haloazidation reaction of pentene (I) that affords the desired relative stereochemistry with regard to the hydroxymethyl group in the key intermediate (III) (major product). In the presence of a catalytic amount of CuI, it reacts with arylalkynes (IV) to give only one of the possible regioisomers, i.e. the desired iodotriazoles (V). Dehydroiodination with DABCO also generates only one of the possible regioisomers in all cases. Most of the products do not exhibit any specific antiviral effects against several viruses. — (PEREZ-CASTRO, I.; CAAMANO*, O.; FERNANDEZ, F.; GARCIA, M. D.; LOPEZ, C.; DE CLERCQ, E.; Org. Biomol. Chem. 5 (2007) 23, 3805-3813; Dep. Quim. Org., Fac. Farm., Univ. Santiago de Compostela, E-15782 Santiago de Compostela, Spain; Eng.) — Klein